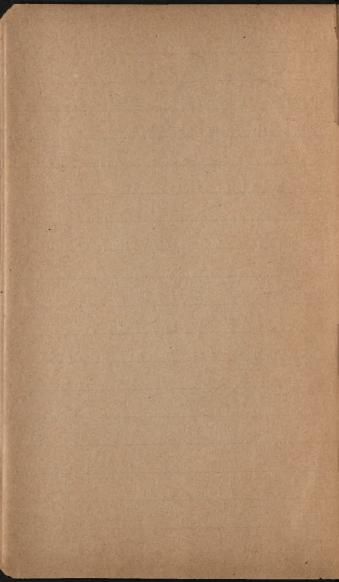
E.O. Hovey.

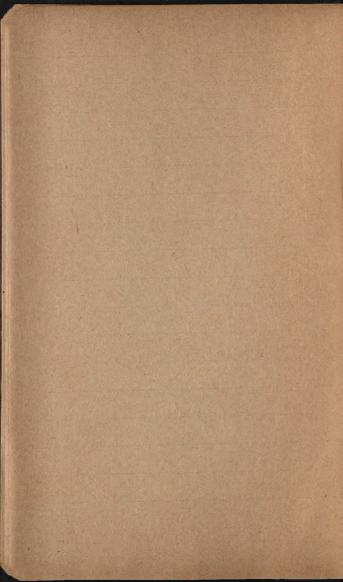
E. O. Hoveyam. Mus. nat. Hist., New York.

Freenland, 1917.

Grotto near northern side of Petonik Thecier is a favorite stoffing place for the Estimos on Their journeys between Comunnag and Cape York (Ignanganag) It is a mile or more north of the glacier and has been made by the retion of frost in a fault zone in the gray, feldsporthic gneiss. I am told that, gears ago, one could walk expright into it, but that a serve southwesterly storm drove a great quantity of beach shingle into the entrance. now one crawls on hand and trues for six or eight feet in order to get in. The interior is perhaps 30 feet from front to back and about ten feet wide at the widest part Maximum height about eight feet



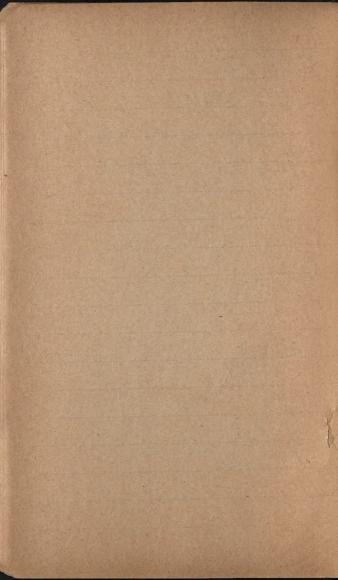
Floor (or most gir) is of solid ledge rock and is above sea level - Rude bed platform has been made at unermost part and there was room knough on it for three of us. at time of my visit, walls were coated with ice (first) from everdensed steam and bodily unanations. The Petoure Placer is endenty active. It's somewhat a costaly round ed front projects two or perhaps three, miles into the sea and is vertical. Estimated the height along the outer part at from 30 to 50 feet. Esternos Day that it discharges many beigs hery summer. Some thee miles wide at the shore and ten or twelve miles long (see map) and bordered by



rounded heights and mountains or flateau bearing no ice cap. Seracs abundant in its lower course. I fassed across its upper lend (or tegrinning) when going over the ice cap with Knud Rasmussen from Parker Snow Bay to north Star Bay 12 July, 1916.

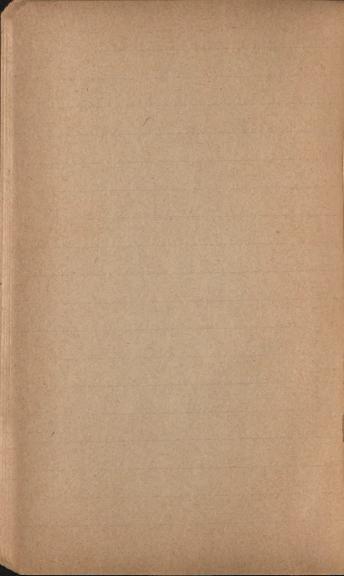
That I in which as to the lend.

Protto in which we took refuge on 5 april, 1917, is within a mile of Cope Dudley Diggs on the south side of the promontory. Formed like the others in this region by the action of frost in a faultzone. Rock is greenish black, hornblendic gneiss. Floor is of sea ice Entrance is 2-2½ feet wide and 4½-5

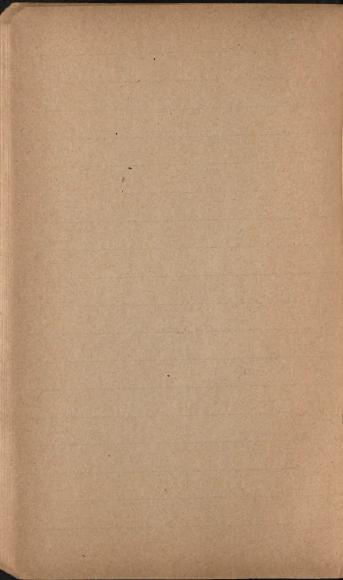


feet high. Interior rises gable ships to 12-15 feet. about 25 feet from front to back and 10-12 in greatest width at level of ice - Extreme inner floor rises above sea level. Not used much by the Eskimos on their travels While "Chuett" was in Payeer Snow Bay we all, affarently, failed to note the existence of this grotto. Elchlaw Placier projects somewhat into the sea, with vertical port 20-30 feet high, and is evidently active There are said by Frenchen to be 14

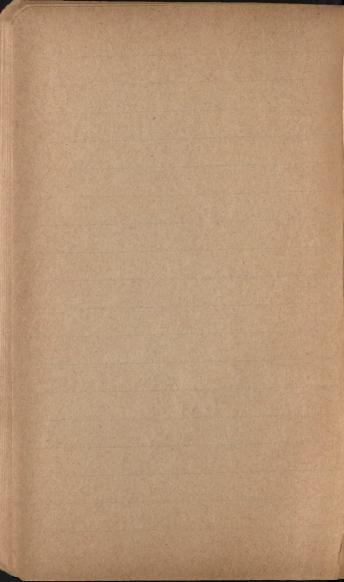
There are said by Frenchen to be 14 glaciers coming down the valleys along the Crimson Cliffs, but I lost my count



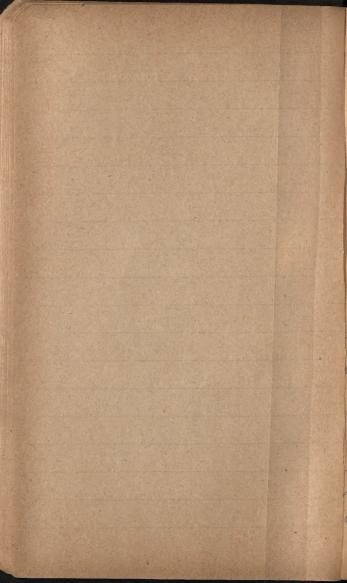
of them, by reason of the strong land breeze that forced me to side with my back to the shore much of the way from Ekblaw Glacier to Cape at Etah Dr. Weeff told me of the hard and dangerous ice cap trip that he and Frenchen made in trying to go from north Star Bay to Cafe your in January 1917. He said that they were on the same glacier down which he went with lase in november, 1916, but that now it was all broken up having advanced some 8-10 km. Hoch told me that the men much have lost their way and tried to descend into Cape york Bay by the



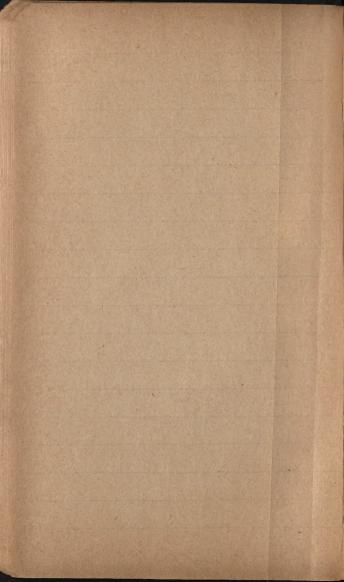
wrong glacier, the one next east probably of the some on which they thought that they were for there were no signs of the described movement When he came boross Cafe york Bay a few weeks later. I examined the bay as well as I could from the igloos and from the kahimootike as we crossed to Bushman Island, and I saw no indications of dis. turbance of the sea ice and There would have been great disruption had a big - or little - glucies advanced 8 or 10 km in these than two months, as discribed by Dr. W. Bushnan Island presents a bold baryely precipitous face 400 (?) feel high



to the south. Looks black and is probably gneiss. Does not look like trap. Cape york is composed of dask, reddish gueiss. Cape melville lipeurse presents a bold, black or reddish black from cipitous face to the south or southeast. Mount Haffner's white down is very plain in the near distance but I have not made out the great clift mountain between me Hafformand ap melville that was so striking in affearance as we drifted along this coast in the Cluetr." Mr. Haff rer is fut down on the map as being 600 m high



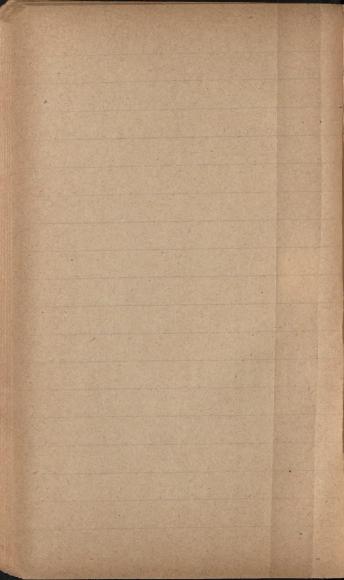
I came to regard the tufts of efflorescent crystals on the black ice as an indication of its thickness. When the tufts are long and are closely crowded together, the ice is safe to good upon. When they are short and sparsely scattered over the simpace or are absent, the ice is too Thin to suffort one. hey are more salty than the ice itself freezing in the air temperature to a residual salt left in the interstices of the sheet ice which is gradually extended as the ice contracts under the influence of temperatures 10 (or 15) degrees and more before the frequents



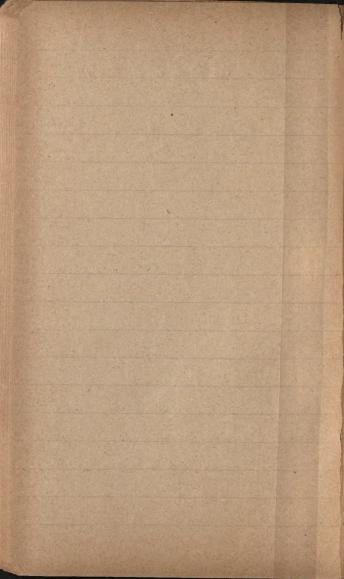
point of sea water. Sea ice is not so hard and elastic as fresh-water ice, but that which is formed rapidly under a sudden drop in the temperature, is tougher than which is formed more Slowly. Black ice not more than four wiches thick in Umanale Ford, did not bend under impact of Kahnsootiks or me jud of may 1917 did not bend, whereas that yequal or greater thickness bent under the men, walking around the "Chrect" in Parker Snow Bay in October 1915. I don't comprehend how Peary and his men stuck the



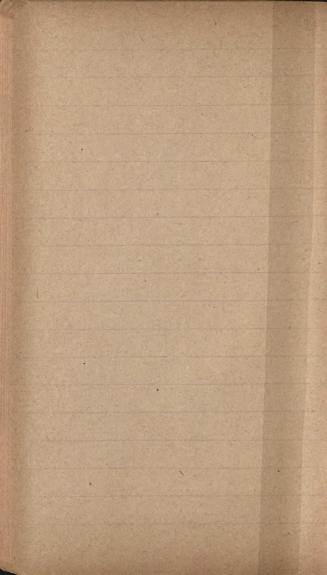
the toes of their monshoes through the young ice in crossing the big lead on their return from the Pole in 1909 and failed to break through completely. We toes of the snowshoes are turned up so that they are more than an inch or more above the surface upon which one is walking. They are lifted faither in ordinary walking but in traversing thin ice they are scriffled along to avoid shock from impact. It seems to me that if the ice bent so much as to meet the snow shoe toe or catch it, disaster would surely result. One cannot, as for as I know, tip the tor of the shor down. and in walking or scriffling.



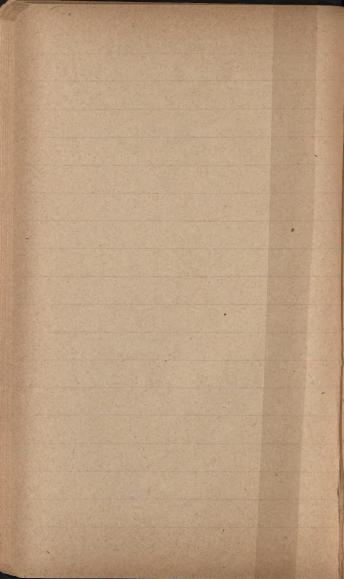
When we turned toward. Cape Seddon in the afternoon of 19 april it seemed to me that we were going back on our tracks. he my Journal I have fut our course down as northeast and for 20 and 21 april as east north east. I judged by the position of the sun and the time of day, and may have been in error. atany rate we had a very large pyram. Ital (orthographer section) well to the right of Cafe Seddon. This was Kleinschmidts nunatak, or herhops the one south of it - findging from the map the latter would agree with an east north east course for the twodays 20 +21 april.



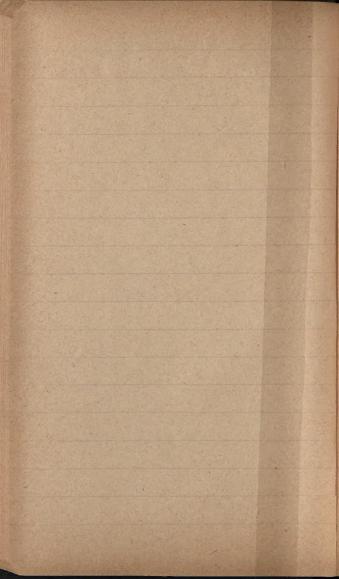
Cape Seddon is composed of dark gray banded feldspathic gruiss. It is intersected near Tooktooliksuah with some nar. now steep-walled gorges, which look as if they might be due to the decomposition and removal of trap dises, but they were so filled with suon that I did not see the rock itself. The Eskimos here get their water even in the coldest weather from a small lake or fond in the hills 100 feet(!) above the igloop. There is no glacus here or any part of the ice cap hence the depression must be filled with melted mor and ground water from the surrounding likeghing. Didnot learn the thisteness of the



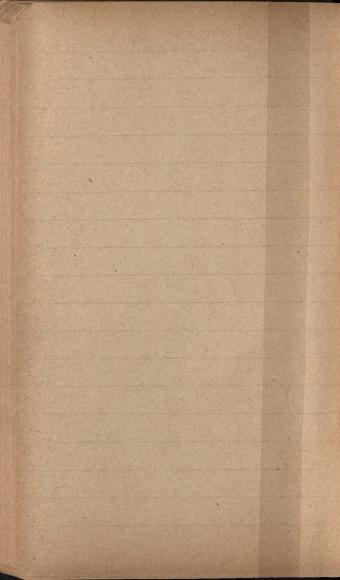
ice on the fond, but it was en: (13 donte more than six feet thick. Steenstrips Placies forms the coast line for more than Turnty miles court of Cape Saddon. Its sur! fare is a maze of seracs and cots front is vertical. Evidently its is active and many bego come from it yearly. I should say that its front edge rose 30 to bo feet above the level of the sea, but we did not approach near enough to it for a good astronato. at its northern edge beside the mainland back of Cape Seddon the valley loores as if it might five a courte of discint from the ice cap. Several nunataks aise this the glacier.



Wilcox Head (Cape Holm) is a mass of reddish feldspathic gneiss with many streets of black hamplendie gneiss in it. Devils Thumb is a column basaltic mass like the Mato Tepes Capping an island whose vides alope down at 25-35. from the base of the town. as we approached and fussel lost it behind trileox Head, it seems ed to me that I saw more than half way around it, but even so I could not make out the snow covered addy That backs it according to the are. tic Pilot, confirmed by Lange Rock, who went to it this spring on his way back to north Star Bay.

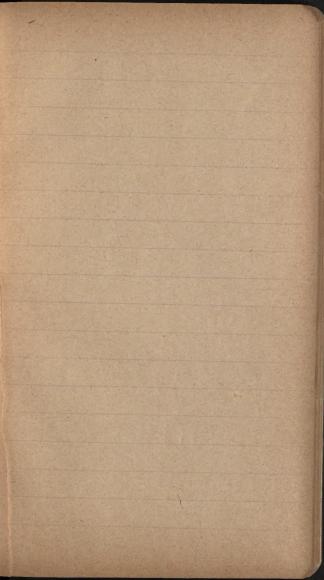


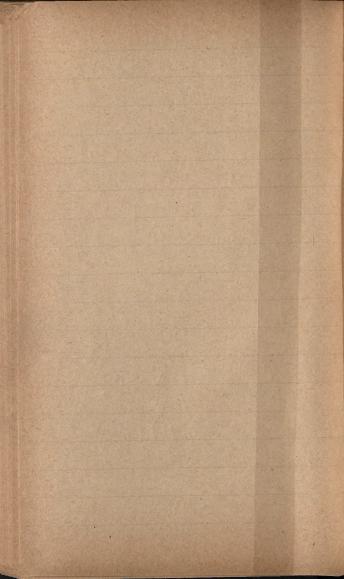
"Bjorneborg" is on the south side of a small, not very high island of gneiss. Built on a bench which was so deeply covered with snow at the time of my visit that I could not tell its nature whether a raised beach or not It was brill by the Royal Darish Trading to an 1905 as a represe for travelers, is gov. Vinterburg and also hispector findow shoke of it as having been built by us "

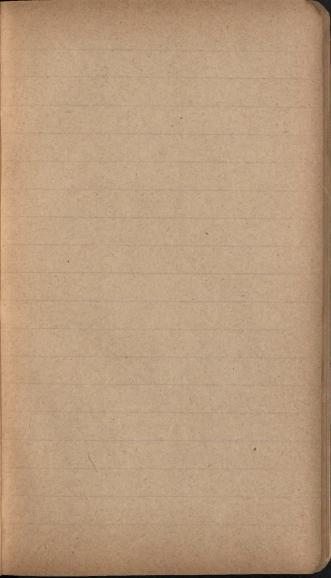


Laurdy Jany 1917 4 Collain 3 shirts 4 Land Kerchiefs 2 pos stockings

Landy list 10 aug 17 Hotel Vectoria 1 shirt 3 collars 1 for drawers

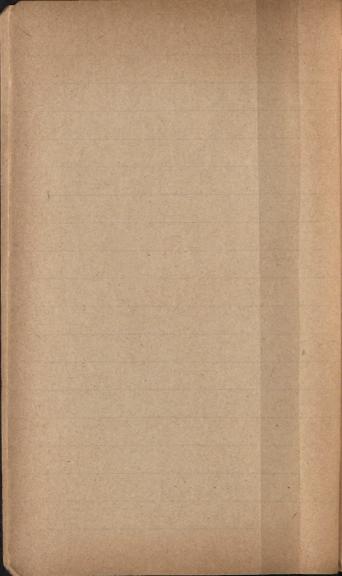




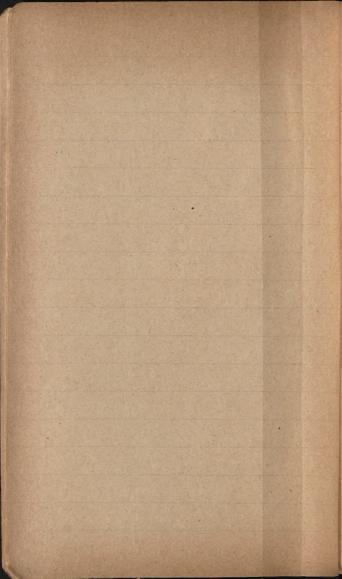


chocalate 3,60 cars 75 425 boat men ,50 hair trousers 6.70 " stockings 1.80 hapet 1.15 envelopes .25 cloth .20 7.00 13 Cigas) fee on good thank" 1.00 1.35 washing of mending 2.50 anorak less to serverts 2.00 model of stage hostay UK + 3. 60 Command 1.45 Rasm 45 5.7 0 28 8: 75 bend collars cloth + sewing bead enffs 2.68 boxes

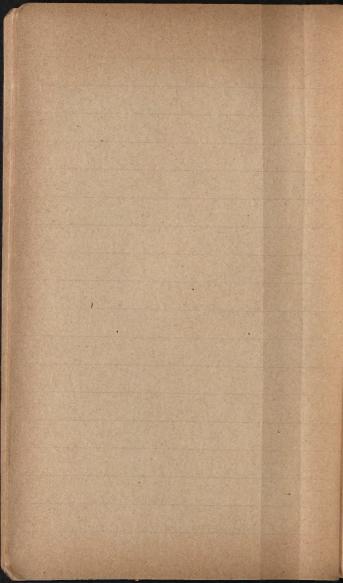
gfrine Trusday - First sufford 5 get in boat the bar of then had to get some rest + something to eat + affective have the Posseld come over any och engine. Hen 2 p. was set and Min Lindor + I went total in board with on trafe, but refeated triple falls to start the engine and at 30'cl a ninery consent for Mr P. to come over again. This was going to take : some time and min I went ashore but I staid on board and read Freckles". Mr P come, discoursel the cause of the trouble with the enolor From L'amore on to and again and we finally got away as 5.30p. Weather shel over cash



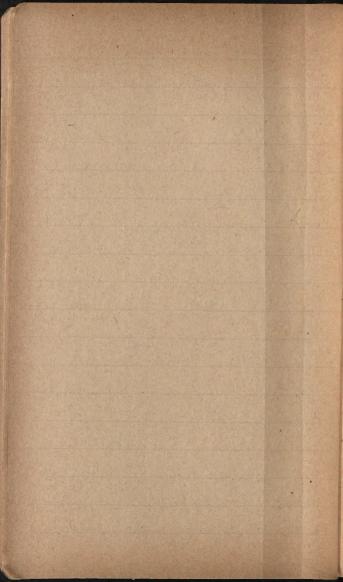
The asserbant to the governor coing Mark will is to come an dire for breakfast with him. he accepted without under claimty od soon were compretably ensconced in his quant old house inthe truf walls (built 1784±) after a good breakfust on frid cale profest breach (à la Hamburger steal) to we started out to fain on "duty call. Thet governor. andersen coming to an and went back with him this dome. Then hear to store, in way needing It Borchersei after This we fire went across the land to the heights and looking down upon the Iceford, which



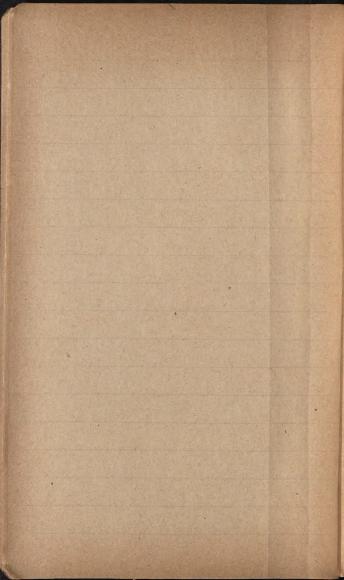
was jammed with beings by and little, booting wholly imparable. Could mot see the glair from our fromt, distince 16 miles - Weing wet walking. In return south hospital with the doctor and then way to his horse when he had coffee + care. Pleasant infe longer then his our small self She talks no English the almost Erone - Their living and driving com bindows command a fretty our of Dises Sound - He hospital has an operating room, two rooms for ordinary fatients and one for gonorhocal erses: a child with nighthsound a



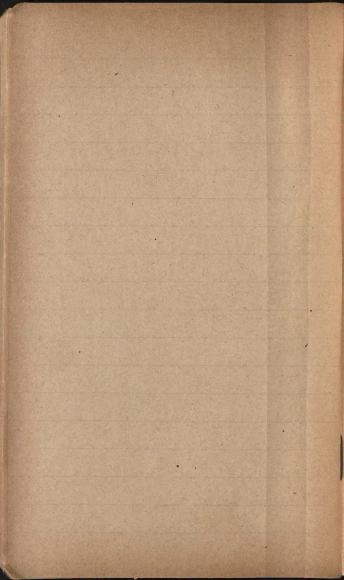
woman who was recovering from an open ation for which of the breast were the onfatients. From the doctors house we went to call whom Pastor Ostermann, an agreeable man who Hears some English. His wife and three children are visiting as Riter tena. we had dinner as the governor's al # och - Mis L., Monso Oster. mann and Kneedsen and I being the quests. Dr. Borhersen and his info and the surperlistendent a head. hurse of the hospital (agreenland would come over to bid us good bye. Of just 4 p.m. we got under way in the rain, the storm having begun a half how or so before. Rathy disagreeable, but worse is



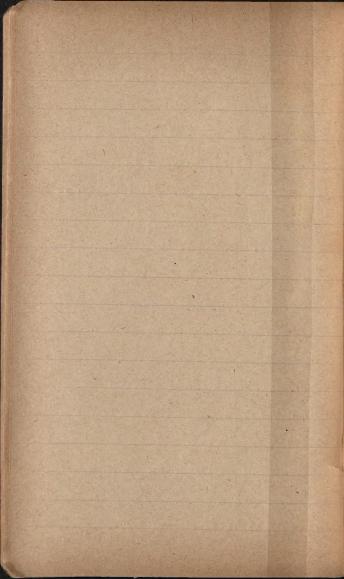
to follow: at 1.30 the motor styhed for lack of Kerosene Carl Thy. gesen, the "coftain" and engineer, having failed for some reason to lay in a sufficient outfly before living god. ham. Sail was horsted and we proceeded under prome brown a strong S.W. wind. He rain be-Com to be mingled with anow and the wind to increase in vigor. It has cold and disagreeable on the boat. We had had a fire breek in the cabin store now after least ing Jokobshavn, but we comed not keep tal reflerished in the The boat was managed very well and at 11.30 p.m we can't



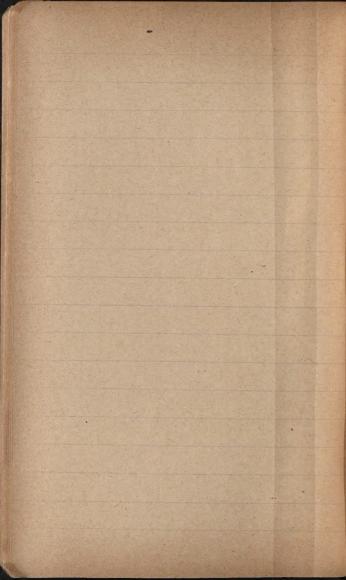
anchor ask Riterbenk a ferryards astern of the "Godthaab". Two anchos failed to hold the "Leif", so strong was the wind by this time, and a line was passed us from the ship. Miss L. and I were take over to the "godthas" and found the rest of the might in comfort, her brother the infector being on the ship Coming into the Ranbor Carl spied the lines moving the "gold haad" to the shore just in time to avoid what would have been a serious accident, had we left on our course. 21 June, Thursday The storm



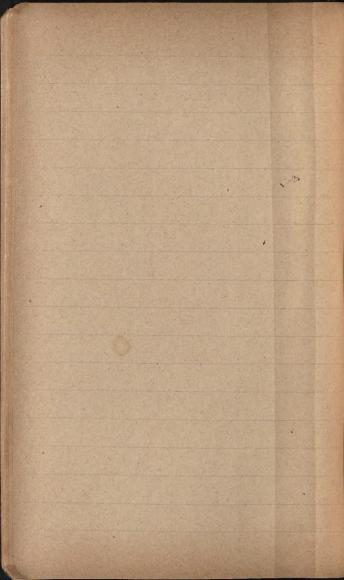
wore itself out during the night bout The skies were overcast and the air was naw till after moon Bistrup, acting-governor, loss in board in the morning and I lacted on him about noon. "Godthaab" is going now to Exeleminder, thence to Umanak (the coal nine near there at least) Thence 5 Jakobsham to and I have decided to go with her as for as jakobsharten, in order to save perhaps a fortright in getting my mail. He should be in umanake Sunday or monday and reach Julcobsham by Minsday or Friday of next week. Thence I can go to Egedestrinde by the motor



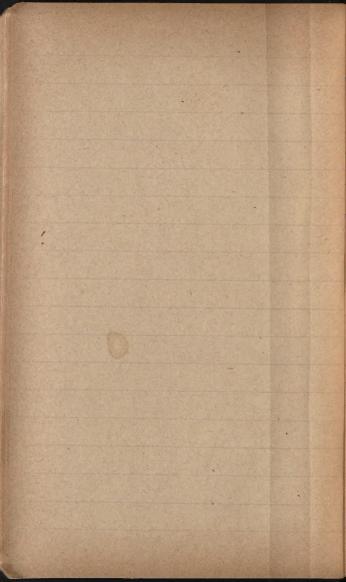
boat of Dr Borchesen or the hispector, sine to catch the Hans Excel from there. The caftain of the "Todthauf" tells me that I an not likely to get to Dermant on the Hans Egede", because the germans are some to stop the vessel before she gets to Copenhagen and take off any americans found on board. also that of I do get to Dermark, I Carried take a Darrish which home on acct of being an american. The Harrish ships in advance of sealing are obliged to puriosh both germans and English with full lists fall persons on board giving the nationality of ruth. I guess that I shall have &



wait as godham for the Dan mark or our new relief ship, of. trall! underway about 230pm Shory breeze for sw outside + still or reun but wind moderated + okies cleaned before or by 6 o'cl - + the meny is beautiful 22 June. Friday. Orr. Egidesminde about 2:30 a.m. Bentiful clini morning, with light northerly breeze. There people seem odd enough. We "Godthaab" is three weeks behind achedule and he captain range that he is awfully mished for time, but no move has been made yet (8 am) toward unloading her cargo

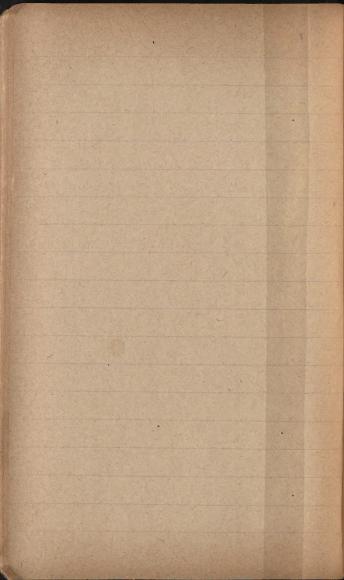


Had to get the greenlandes Such lack of evergy is somewhat dis . queting to me, and my guess more is that I shall stop off here at regedesurande in order to make perfectly sure to the Hours Eggs and to prefare the letters that must go home by her if I do not go that way. Osborn Sherwood Demender Crampton Berkey Regory Babbier "Lancroft Raymond Ellinwood Rasmussen Mac Milland Elibean Reeds affermon. Moved ashore to stay at Bestyrer Fencher's house, and in doing so got a ducking from the suppling of the landing stains as I stiffed outs them. Sauce in up to my waist but it was love tide

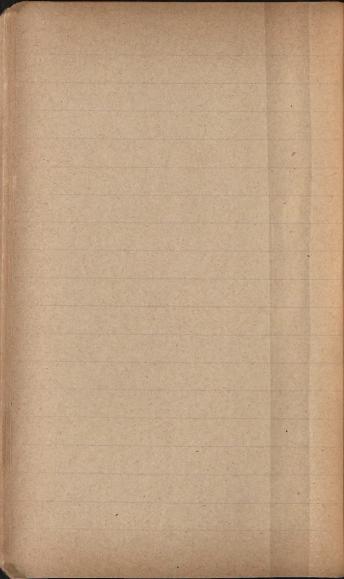


and I or the stains touched bottom then. Disagreable enough, especially since I already have a cold - the first that I have had in three years or more, probably got agen from the certain who has the influenza and I was tired and a little wet from the motor boar try o maere at Jakobsham .. Mrs Fencher fitted me out with some I her busband's clothing and I show be all right. Clear all day. Mrs. F. is sister to Mrs Vinterberg. Has four small sons 9-3 ms. 23 June, Saturday. B or with scattering light clouds. NI. Temp 10 a + 3°R.

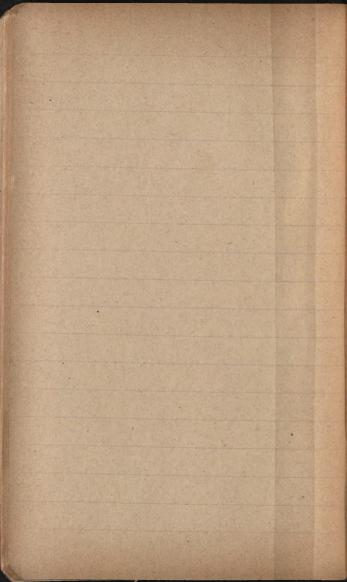
Called on Dr. Bright twife last even ing. Pleasant young couple who came



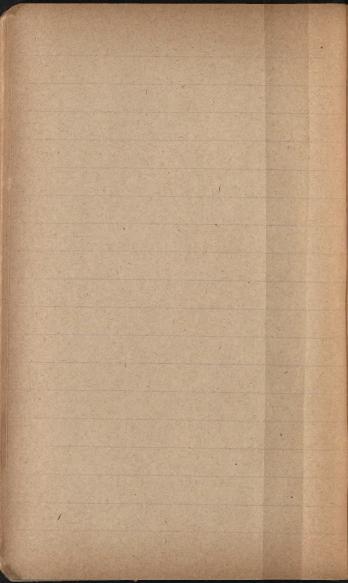
outlast summer. Theat a little English terday of I think that shore will be a better place them ship for me. Cold is going down outo lungo I fear. For some pictoral medicine from Dr. Rigel today. I work letters, read & visited. Went out & godthaub", signed my hassage puper, feel the table + worm sitemond and tode good trye. Captain Scounty gove me an orange first tet I have seen in meanly two years tasked good though it aeally was a bit dry -Suffer at Priest Balle's with Dr + Mrs Bigel, Mr. Möller (assistant here, who is now going to Proven) and the make and chief engineer of the Godthast" Vary pleasant evening



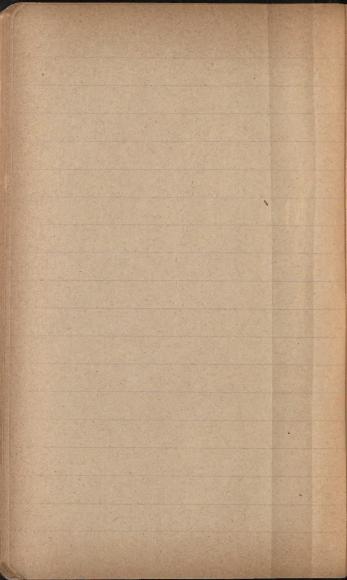
for the others and weld have been for me too if I could understand and talk Darish. Mr Balle and his ife both speak ringlish well, he wellerthy. Hears a cousin of Rund Rasmussen, Min Fleicher and Mrs. Bertelsen and is brother to Mrs. Mathiesen. Conversation was longely about the har of course. 24 June Sunday Borneal, Londless N.W. 1 to Jenf 9a. 3°R. 12m 6.5° Wrote to gov. Vinterberg begging him to make every reasonable effort to get held of Ekblaw and bring him to godhavn on the "Ceres". He Godthaab "towed the Nord lysel' out to sea this morning



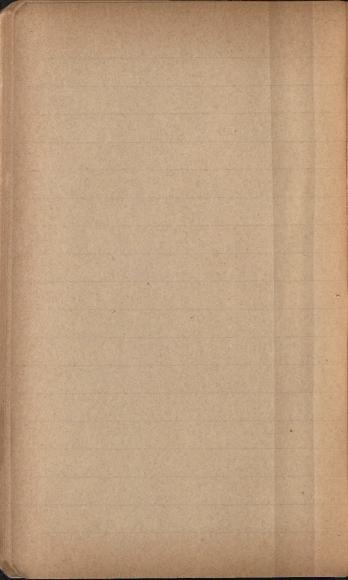
then she came back and soon after hoon left for Umanak with the little schooner in tow. Called on My Balle This affermoon. 25 June Monday. Moderate rain Who began to face last evening) and many Muf Ja. + 40 10 a 50 (7/ 50 R Down as motor boat at 7:05 but me doctor, the hi forthered" our start to fool to a commodate me. Goldway at 10-30. It develop that the engineer went to the doctor at about 7 o'cl ad bed him they the weather was too bad to starten. Or sent the man 5 tel me that is would try to go about 10, but the order was not storged. Uneventful and not whole,



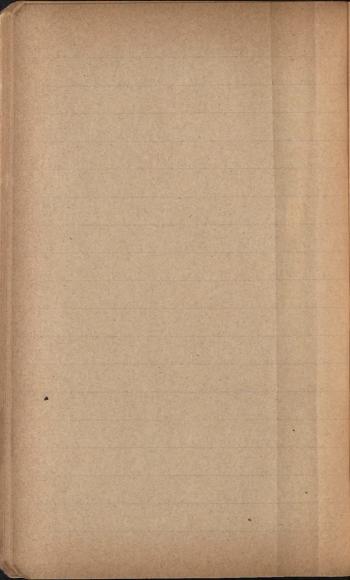
confortable trip across the sound fabour 35 sea mile to Godhain men fieled up a long of driftwood - love preight feet of a pine? True about 12" in diana at the but. Had four Greenland girls as passen. gers. Calm, except for a little earlest breeze as we surerged from the islands near Egidisminde Reached Godham at Cg 6 30. p. m. + Lod cordial welcome home from gordesen. much snow his welted away from wordham in past 6 days.



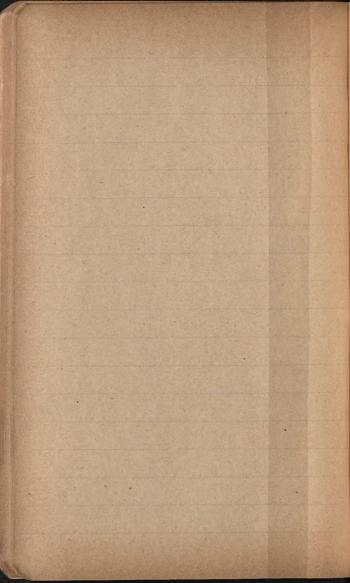
IJuly-Sunday. Fine day with good breeze from E or ENZ. Mr. When findow and I got away from Wolham at 10:45 am. Set main-Oul and jib as soon as we were clear of the island, steading the boat though feel afs not moreasing our rate. Between Crown Prima and Dog Islands the motor stop. fed after an how or more of look without discovering the cause of the difficulty the engine started up again - arrived Zgedesminde ca 6 30 p.m. and found "Ceresi there, she having. gotten in yesterday. Boat come one to us from her with First much Balle, brother to Prober Balle here,



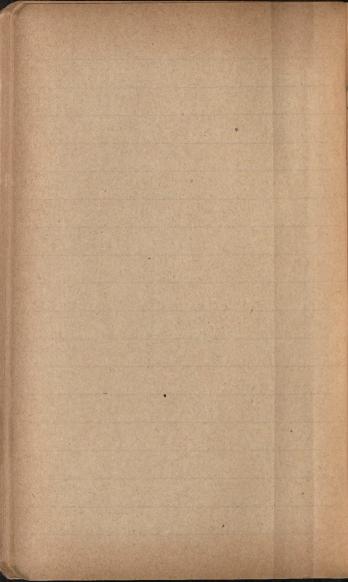
and an instation to come on board the back. Went over and found all the Egidesiminal Danes on board And effect cakes. Several russinbers of the crew had dressed up in Neftunic costumes and they went through with a funce which caused much laughter to all who understood the language. Two men were "initiated" to the arche this being the first time they had crossed the circle. Shared with slush for lather, afflied with a family brush. Tryped up by the feet and soused in a top of hater head first. Both bok everything er good fact. By request I made a martingue for the cation. Mr + Mrs Fencker gave me woodial welcome



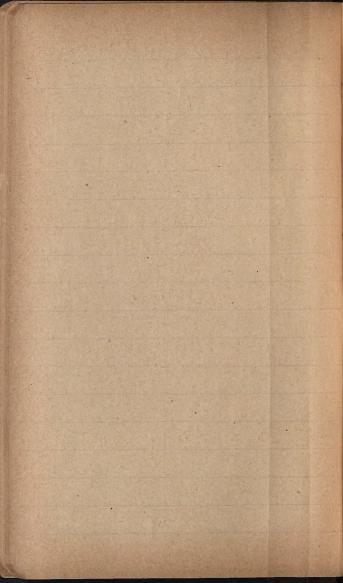
In the evening ca 10:30 Mrs + Mrs Hausen arrived by neotor tout from agto, the southernmork station in north greenland, where he is factor. Dr. Hund stand with them a mouth this spring and they like him. Hansen took the wail to Holstenstong and Hunt was with him father used kayok nuch I the way and Hausen says that he did it well and also drove dogs well. The inspector and I share the north chamber at the Fenckers. 2 July, Monday. another fine day most of day. Dook good walk on the hills east of town



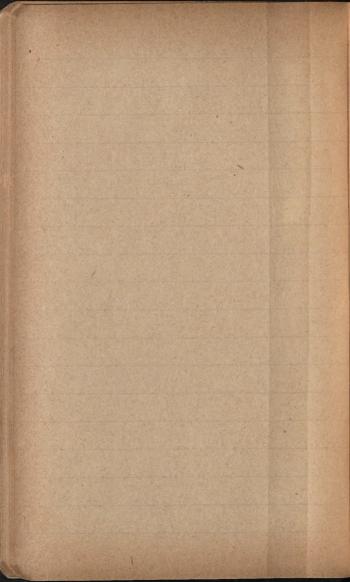
The little country is in a defression or shallow valley in the whole host of the nearthill. Soil is so shallow that the graves are mostly built up above the general level of the ground. Most of the graves are not marked, and the inscriptions have weathered off from most of the wooden crosses when they are marked. The grave of one governor is marked with an iron eros fanother with a substantial gran. ite headstone, and of an infant child of the Bulle's, 1915, with a new mall granite headstone, The whole place is desolate enough, like all the corretions that I have seen up here.



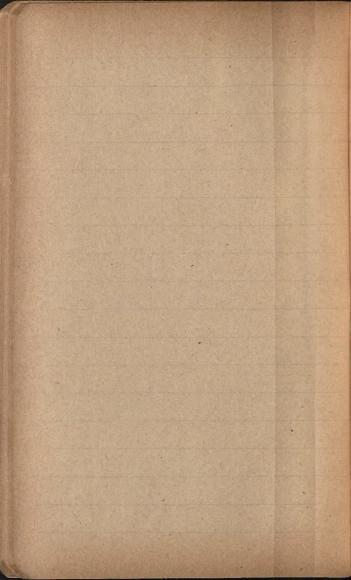
Kind veered t S.W. in laster had of afternoon and tog come in in the evening affairthy thick outside-3 July - Tuesday - The fine weather Continues - The threat of last ought did not amount to much and this morning the forg is low and distant. a longue of it stocks es for into Disko Sound. Very light northerly or N.S. wind. Took two mule walk on the Rill. While we were at dishner this evening we heard the cry of himsel suit. The greenlanders had seen the orrive of a steamer and at ca 1/15 the "Hans Egele" come 5



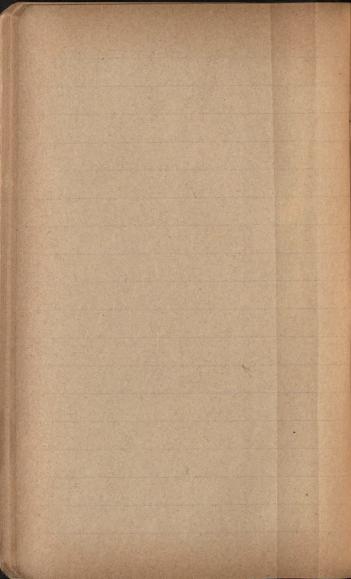
anchor in the huber. She looks good to me all right, as well as to the Danes. about the same time Dr. Borchersen arrived from Jakabshava in his motor boat and during the evening I got my desired mail from Umanak. Letter from Osborn, Sherwood, Babbitts, Ellinwood, Raymond, Ferguson, Streeters. no bad formily news. Captain Thorsen tell me that Dr. Struk reacted Copenhagen all right on I fine + probably went to my, via Bergen. the Danish boats do not take foreign passengers to My, Auchsens his cable grain from Faro Is. m 27 may -



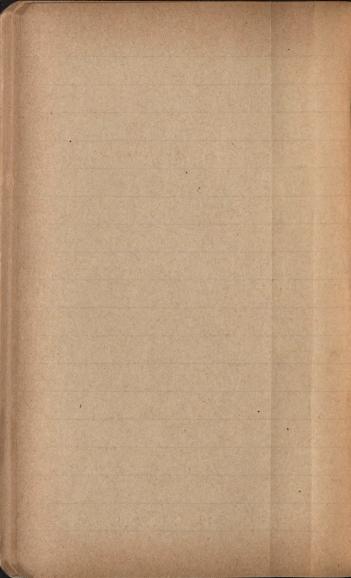
4 July Wednesday . B - scattered this class Truf 8 a. 50. N.E. 2. had summer weather. nothing ofecial has anniked this "glorious Fourth" They . Thursday . another beautiful, warm sunshing day -Out for two homes in affermore in the hills south of lown. Rocks are all gray pelaspathere mers, affarenty containing much homblende. Their are several arrall laters one this island. Vegetation is very backward this year. The grass around the colony itself is luxuriant and green



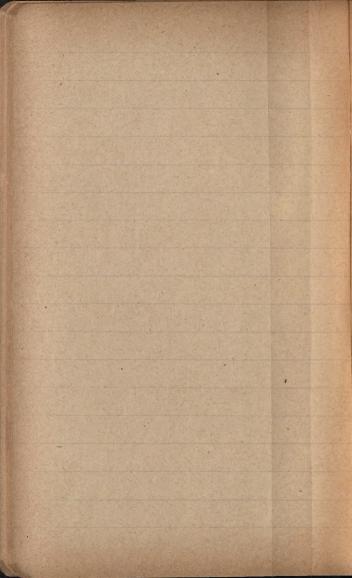
but the willows in the hills he only just now coming out in blossom. All are very mill and thing like. Have seen more as large as those as Parker Snow Buy, and no poppies or cochlenia - only a little sampifrage. July Friday. Bright morning but thing overcast afternoon and early evening warm. Made forevell calls on Balle was. and Bichel Mr. Balle received letter from A.7.O. + was numare pleased with it. He asys that he does not know of any altercation or serious difficulty between freen & Frenchen though



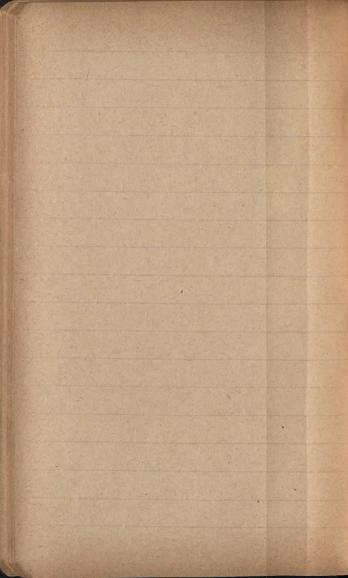
tota remarked one day that Peter was not runch of a business man (or feelings that he was not familiar with business. nethods. I told him (Balle) that I was glad of this because I had heard that the two had almost of not quite graneled before parting at Ikerasale. Went on board the Hans & gede" about 9 h.m. after tanking my this tender for all that they had done for me as well as for my frederessors of C.L. S. Japany: all three men last year broke back to Balle + Familier from Denmark & Jang sent



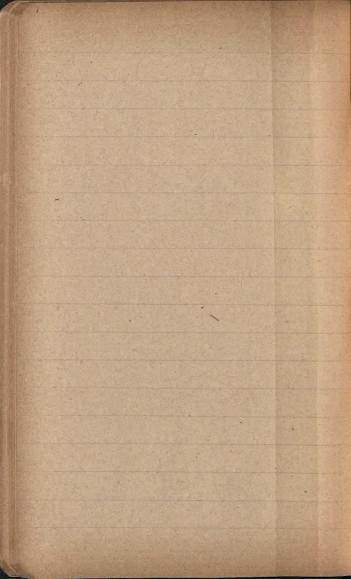
awesters to Mrs Balle and Mis Forcker as 7 its regriest. "Hans Egide" got away about 11 p.m. They, Saturday. B. & 1-2. 90, 95° Came to anchor in godham harbor between 4+4.30 a.m. Tetters put into regular mail of al godham: Babbitts, Lamorufo, Mrs HC Smith, Streeter - m. n. + D, debter (Sarah), authory (Demercel) Lucas, Reeds, Berkey, Crampton Ellinwood Raymond. [Prenously one to Mrs. Rasminssen incl. order on Myetoc for \$50 on acct Henrik Olsen] Lecters left or Todham - Mac Mullan Comer, Steblan - to be called for Osbom, Sherwood - to go out by first



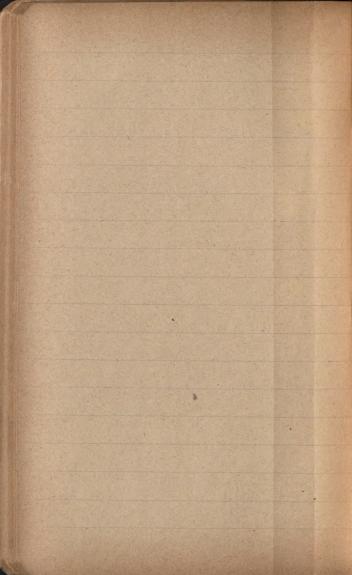
relief ship that calls. Bot Bartlett to be carried for. my baggage is to be put on board first while ship that calls. It consists 1 1 box containing rife I box " stein chothing 1" " model of Layak In a models of usurale to I bag a kooletah I roll of sleeping bag & attal oogjook skin I poky monthis I box "valuable fates" to Ly / box Disko won (Porsild) Left in care of Bestiper Odsen against his receipt. To go out by Hans Eyede 3 R" if reflief ship does not call lastier.



the colony of godthaut is built in a boad slope vising morthwashered (?) from a small core at the severed of a long mountainous peninsula. The core prients party a sandy beach and fater sloping flatforms of amounted gneiss. Residence of the inspector or governor general of Darish South heenland. Present incumber & Harries, a tall spare man fruit tong bearing. Han almost white. Yeales English nother will, but will so fluesty as M. Lindow. Has tely m muland 21 years. was gover. nor (bestyren) ar Whenink for some years. His wife is tall the the average bornan, iron grang han Understands considerable



roglish but does not speak much Ithe kingungs. Beneful home m an old house. They trup her I him they are very proud. Four children, of whom elder (14:) is in Deum wite. Bestyrer Brigge's house's a very old one of stone. Walls we about thee feet there. He wife his ken in Denmak the first you but is coming out on trick Hour Exide His son (21) has been studying in Deminate for arme years but come out This summer on second Hours Egide" to spend the winde. Theologue. he Balls tell muthor the Darish young ladie, who come



Weenland as teachers (governesses) usually get about Kr 300 for year as ealary, beards transfortation and ling, tough occusionally one gets as much as Kr 400. Miss houtour, who is 19 yrs old, tells are that she has bad to 200 for her year with the Schonigs at tred. rikshaat, but that she not only tengths the children 2'z hus for day but also did the about work of four room ad ground and made the espec for lunction. Its road that she was maid as well as teacher but that she lived it as Fradriks boat The set had no time to her rely. Her farther is a well toda, or visitly merchant, the works

